F1 BODYWEIGHT

Greenhouse-Geisser corrected			
Within subjects			
	df	**F**	**p value**
time	1.449	1265706	0.001
time*litter	1.449	0.819	0.586
time*treatment	2.899	1.982	0.114
time*sex	1.499	1226.553	0.001
time*treatment*sex	2.899	1.499	0.216
Between subjects			
	df	**F**	**p value**
Litter	1	2.935	0.088
Treatment	2	1.564	0.212
Sex	1	583.253	0.001
Treatment*Sex	2	1.693	0.187

F2 BODYWEIGHT

Greenhouse-Geisser corrected			
Within subjects			
	df	**F**	**p value**
time	1.415	19144.429	0.01
time*litter	1.415	2.388	0.11
time*treatment	2.83	7.765	0.001
time*sex	1.415	2418.686	0.001
time*lineage	1.415	8.913	0.001
time*treatment*sex	2.83	0.827	0.474
time*treatment*lineage	2.83	3.412	0.019
time*sex*lineage	1.415	3.112	0.063
time*treatment*sex*lineage	2.83	0.241	0.857
Post-hoc Time*Treatment (Sidak)	a	b	c
P7	DMSO,EB	DMSO,A1221	
P14	DMSO,EB	DMSO,A1221	
P21	DMSO,EB	DMSO,A1221	
P28	DMSO,EB	A1221	
P35	DMSO,EB	A1221	
P42	DMSO,EB	A1221	
P49	DMSO,EB	A1221	
P56	DMSO,EB	A1221	
Post-hoc Time*Treatment*Lineage (Sidak)	a	b	c
P1 maternal	DMSO,EB	A1221	
P7 maternal	DMSO,EB	DMSO, A1221	

P21 maternal	DMSO,EB	DMSO, A1221	
P28 maternal	DMSO,EB	A1221	
P35 maternal	DMSO,EB	A1221	
P42 maternal	DMSO,EB	A1221	
P49 maternal	DMSO,EB	A1221	
P56 maternal	DMSO,EB	A1221	
Between subjects			
	df	**F**	**p value**
Litter	1	7.325	0.007
Treatment	2	9.305	0.001
Sex	1	1198.714	0.001
Lineage	1	24.478	0.001
Treatment*Sex	2	1.029	0.358
Treatment*Lineage	2	3.65	0.027
Sex*Lineage	1	1.773	0.184
Treatment*Sex*Lineage	2	0.231	0.794
Post-hoc Treatment (Sidak)	a	b	c
Treatment	DMSO, EB	A1221	
Post-hoc Treatment*lineage(Sidak)	a	b	c
Maternal	DMSO,EB	A1221	

F3 BODYWEIGHT

Greenhouse-Geisser corrected			
Within subjects			
	df	**F**	**p value**
time	1.417	14589.9	0.001
time*litter	1.417	0.572	0.507
time*treatment	2.835	6.587	0.001
time*sex	1.417	1849.885	0.001
time*lineage	1.417	21.487	0.001
time*treatment*sex	2.835	1.432	0.234
time*treatment*lineage	2.835	3.487	0.019
time*sex*lineage	1.417	1.174	0.297
time*treatment*sex*lineage	2.835	1.06	0.857
Post-hoc Time*Treatment (Sidak)	a	b	c
P35	DMSO,EB	DMSO,A1221	
P42	DMSO,EB	DMSO,A1221	
P49	DMSO	EB	A1221
P56	DMSO	EB	A1221
Post-hoc Time*Treatment*Lineage (Sidak)	a	b	c
P42 maternal	DMSO,EB	A1221	

P49 maternal	DMSO,EB	A1221		
P56 maternal	DMSO,EB	A1221		
Between subjects				
	df	**F**	**p value**	
Litter	1	0.116	0.088	
Treatment	2	6.217	0.002	
Sex	1	1059.127	0.001	
Lineage	1	45.625	0.001	
Treatment*Sex	2	1.287	0.277	
Treatment*Lineage	2	2.199	0.112	
Sex*Lineage	1	1.186	0.277	
Treatment*Sex*Lineage	2	1.261	0.285	
Post-hoc Treatment (Sidak)	a	b	c	
Treatment	DMSO, A1221	EB		

F1 EYE OPENING

Between subjects			
	df	**H**	**p value**
Litter	1	1.409	0.237
Treatment	2	1.172	0.312
Sex	1	4.494	0.035

F2 EYE OPENING

Between subjects			
	df	**H**	**p value**
Litter	1	0.912	0.34
Treatment	2	6.89	0.001
Sex	1	3.921	0.048
Lineage	1	0.241	0.623
Treatment (Dunn)	a	b	c
Eye opening	DMSO,EB	DMSO,A1221	

F3 EYE OPENING

Between subjects			
	df	**H**	**p value**
Litter	1	2.035	0.155
Treatment	2	2.653	0.072
Sex	1	3.235	0.073
Lineage	1	0.173	0.677

F1 PUBERTY

Between subjects			
	df	**H**	**p value**
Litter	1	12.581	0.001
Treatment	2	0.784	0.458
Sex	1	659.479	0.001

F2 PUBERTY

Between subjects			
	df	**H**	**p value**
Litter	1	23.645	0.001
Treatment	2	5.435	0.005
Sex	1	1421.569	0.001
Lineage	1	20.435	0.001
Treatment (Sidak)	a	b	c
Puberty	DMSO,EB	DMSO, A1221	

F3 PUBERTY

Between subjects			
	df	**H**	**p value**
Litter	1	6.758	0.001
Treatment	2	4.427	0.013
Sex	1	1181.176	0.001
Lineage	1	3.161	0.076
Treatment (Sidak)	a	b	c
Puberty	DMSO,EB	DMSO,A1221	

F1 AGI

Greenhouse-Geisser corrected			
Within subjects			
	df	**F**	**p value**
time	1.449	366.327	0.001
time*litter	1.449	13.814	0.001
time*treatment	2.899	1.607	0.178
time*sex	1.499	68.138	0.001
time*treatment*sex	2.899	0.528	0.697
Between subjects			
	df	**F**	**p value**
Litter	1	2.895	0.001
Treatment	2	9.551	0.003
Sex	1	226.893	0.001
Treatment*Sex	2	0.011	0.685
Post-hoc Time*Treatment (Sidak)	a	b	c
AGI	DMSO,A1221	EB, A1221	

F2 AGI

Greenhouse-Geisser corrected			
Within subjects			
	df	**F**	**p value**
time	1.415	561.299	0.001
time*litter	1.415	9.07	0.001
time*treatment	2.83	2.286	0.067
time*sex	1.415	43.085	0.001
time*lineage	1.415	11.374	0.001
time*treatment*sex	2.83	1.859	0.125
time*treatment*lineage	2.83	1.903	0.114
time*sex*lineage	1.415	2.489	0.091
time*treatment*sex*lineage	2.83	0.241	0.857
Between subjects			
	df	**F**	**p value**
Litter	1	0.047	0.829
Treatment	2	2.12	0.145
Sex	1	1052.453	0.001
Lineage	1	22.871	0.001
Treatment*Sex	2	1.291	0.276
Treatment*Lineage	2	2.161	0.117
Sex*Lineage	1	1.206	0.273
Treatment*Sex*Lineage	2	1.235	0.292

F3 AGI

Greenhouse-Geisser corrected				
Within subjects				
	df		F	p value
time		1.649	295.596	0.001
time*litter		1.649	46.373	0.001
time*treatment		0.046	0.635	0.607
time*sex		1.64	163.981	0.001
time*lineage		1.649	23.773	0.001
time*treatment*sex		0.083	1.148	0.331
time*treatment*lineage		0.257	3.571	0.011
time*sex*lineage		0.002	0.048	0.927
time*treatment*sex*lineage		0.083	1.16	0.326
Post-hoc Time*Treatment*Lineage (Sidak)	a		b	c
P7 maternal	DMSO		EB	A1221
P14 maternal	DMSO		EB	A1221
Between subjects				
	df		F	p value
Litter		1	22.976	0.001
Treatment		2	0.858	0.425
Sex		1	11713.594	0.001
Lineage		1	7.263	0.007
Treatment*Sex		2	0.906	0.405
Treatment*Lineage		2	3.368	0.035
Sex*Lineage		1	0.529	0.468
Treatment*Sex*Lineage		2	0.515	0.598
Post-hoc Treatment*Lineage (Sidak)	a		b	c
Maternal	DMSO,EB		EB,A1221	

F1 GONADOSOMATIC INDEX

Between subjects			
	df	**F**	**p value**
Litter	1	0.516	0.474
Treatment	2	0.021	0.979
Sex	1	13557.736	0.001
Treatment*Sex	2	0.085	0.919

F1 UTERINE INDEX

Between subjects			
	df	**F**	**p value**
Litter	1	2.189	0.144
Treatment	2	0.936	0.395

F1 ADRENAL INDEX

Between subjects			
	df	**F**	**p value**
Litter	1	6.666	0.011
Treatment	2	0.936	0.395
Sex	1	788.255	0.001
Treatment*Sex	2	0.559	0.573

F2 GONADOSOMATIC INDEX

Between subjects			
	df	**F**	**p value**
Litter	1	0.855	0.356
Treatment	2	0.052	0.949
Sex	1	32341.379	0.001
Lineage	1	1.556	0.214
Treatment * Sex	2	0.012	0.988
Treatment * Lineage	2	0.506	0.603
Sex * Lineage	1	2.668	0.104
Treatment * Sex * Lineage	2	0.775	0.462

F2 UTERINE INDEX

Between subjects			
	df	**F**	**p value**
Litter	1	0.434	0.511
Treatment	2	0.395	0.675
Lineage	1	0.045	0.832
Treatment * Lineage	2	0.56	0.573

F2 Adrenal index

Between subjects			
	df	**F**	**p value**
Litter	1	0.189	0.664
Treatment	2	0.279	0.757
Sex	1	231.215	0.001
Lineage	1	1.475	0.226
Treatment * Sex	2	0.549	0.578
Treatment * Lineage	2	0.016	0.984
Sex * Lineage	1	0.245	0.621
Treatment * Sex * Lineage	2	1.095	0.336

F3 GONADOSOMATIC INDEX

Between subjects			
	df	**F**	**p value**
Litter	1	0	0.997
Treatment	2	0.068	0.934
Sex	1	31329.201	0.001
Lineage	1	2.297	0.131
Treatment * Sex	2	0.114	0.892
Treatment * Lineage	2	2.786	0.064
Sex * Lineage	1	2.083	0.15
Treatment * Sex * Lineage	2	2.63	0.074

F3 UTERINE INDEX

Between subjects			
	df	**F**	**p value**
Litter	1	0.197	0.658
Treatment	2	0.207	0.813
Lineage	1	0.256	0.614
Treatment * Lineage	2	1.475	0.232

F3 Adrenal index

Between subjects			
	df	**F**	**p value**
Litter	1	5.379	0.021
Treatment	2	0.426	0.654
Sex	1	1602.447	0.001
Lineage	1	13.048	0.001
Treatment * Sex	2	0.781	0.459

Treatment * Lineage	2	2.024	0.134
Sex * Lineage	1	7.734	0.006
Treatment * Sex * Lineage	2	2.21	0.112

F1 ESTRADIOL

Between subjects			
	df	**F**	**p value**
Litter	1	11.333	0.001
Treatment	2	1.049	0.354
Sex	1	54.76	0.001
Treatment*Sex	2	1.429	0.244

F1 PROGESTERONE

Between subjects			
	df	**F**	**p value**
Litter	1	0.293	0.591
Treatment	2	1.999	0.147
Sex	1	867.459	0.001
Treatment*Sex	2	0.108	0.898

F1 TESTOSTERONE (MEASURED IN MALES ONLY)

Between subjects			
	df	**F**	**p value**
Litter	1	0.005	0.946
Treatment	2	0.061	0.941

F1 CORTISONE

Between subjects			
	df	**F**	**p value**
Litter	1	0.422	0.519
Treatment	2	0.011	0.989
Sex	1	36.964	0.001
Treatment*Sex	2	0.414	0.663

F2 ESTRADIOL

Between subjects			
Litter	1	6.61	0.011
Treatment	2	0.406	0.667
Sex	1	6.932	0.009
Lineage	1	2.54	0.112
Treatment * Sex	2	0.721	0.487
Treatment * Lineage	2	0.996	0.371
Sex * Lineage	1	0.089	0.765
Treatment * Sex * Lineage	2	0.854	0.427

F2 Progesterone

Between subjects			
	df	**F**	**p value**
Litter	1	2.688	0.104
Treatment	2	3.32	0.04
Sex	1	173.632	0.001
Lineage	1	0.906	0.344
Treatment * Sex	2	3.517	0.033
Treatment * Lineage	2	1.078	0.344
Sex * Lineage	1	0.74	0.392
Treatment * Sex * Lineage	2	0.958	0.387
Posthoc Treatment*Sex (Sidak)	a	b	c
Female	DMSO,EB	EB,A1221	

F2 TESTOSTERONE (MEASURED IN MALES ONLY)

Between subjects			
	df	**F**	**p value**
Litter	1	0.221	0.64
Treatment	2	1.195	0.311
Lineage	1	0.299	0.587
Treatment * Lineage	2	0.46	0.634

F2 CORTISONE

Between subjects			
Litter	1	5.103	0.026
Treatment	2	0.531	0.59
Sex	1	81.287	0.001
Lineage	1	0.463	0.497
Treatment * Sex	2	1.105	0.335
Treatment * Lineage	2	0.111	0.895
Sex * Lineage	1	2.377	0.126
Treatment * Sex * Lineage	2	2.692	0.072

F3 ESTRADIOL

Between subjects			
Litter	1	0.022	0.882
Treatment	2	3.329	0.037
Sex	1	65.861	0.001
Lineage	1	1.413	0.236
Treatment * Sex	2	5.142	0.007
Treatment * Lineage	2	0.084	0.919

Sex * Lineage		1	1.293	0.257
Treatment * Sex * Lineage		2	0.782	0.459
Posthoc Treatment*Sex (Sidak)	a		b	c
Female	DMSO,EB		A1221	

F3 Progesterone

Between subjects				
	df		**F**	**p value**
Litter		1	0.088	0.767
Treatment		2	2.245	0.111
Sex		1	265.839	0.001
Lineage		1	6.686	0.011
Treatment * Sex		2	2.272	0.108
Treatment * Lineage		2	3.27	0.042
Sex * Lineage		1	6.673	0.011
Treatment * Sex * Lineage		2	3.229	0.044
Posthoc Treatment*Lineage (Sida	a		b	c
Maternal	DMSO,EB		EB,A1221	
Posthoc Treatment*Lineage*Sex (	a		b	c
Maternal Female	DMSO,EB		A1221	

F3 TESTOSTERONE (MEASURED IN MALES ONLY)

Between subjects			
	df	**F**	**p value**
Litter	1	2.453	0.123
Treatment	2	1.995	0.146
Lineage	1	2.741	0.104
Treatment * Lineage	2	1.18	0.315

F3 CORTISONE

Between subjects			
Litter	1	0.891	0.347
Treatment	2	1.968	0.145
Sex	1	72.316	0.001
Lineage	1	0.215	0.644
Treatment * Sex	2	0.076	0.927
Treatment * Lineage	2	0.558	0.574
Sex * Lineage	1	0.134	0.715
Treatment * Sex * Lineage	2	0.524	0.594

F1 NUMBER OF ESTROUS CYCLES

Between subjects			
	df	**H**	**p value**
Litter	36	38.27	0.368
Treatment	2	4.49	0.11

F1 AVERAGE CYCLE LENGTH

Between subjects			
	df	**H**	**p value**
Litter	36	52.91	0.034
Treatment	2	0.671	0.715

F1 NUMBER OF ELONGATED AND IRREGULAR CYCLES

Between subjects			
	df	**H**	**p value**
Litter	36	44.81	0.149
Treatment	2	0.369	0.789

F2 NUMBER OF ESTROUS CYCLES

Between subjects			
	df	**H**	**p value**
Litter	78	91.869	0.041
Treatment	2	4.505	0.18
Lineage	1	0.324	0.57

F2 AVERAGE CYCLE LENGTH

Between subjects			
	df	**H**	**p value**
Litter	78	117.791	0.001
Treatment	2	5.073	0.312
Lineage	1	0.24	0.217

F2 NUMBER OF ELONGATED AND IRREGULAR CYCLES

Between subjects			
	df	**H**	**p value**
Litter	78	90.61	0.049
Treatment	2	4.693	0.151
Lineage	1	1.825	0.178

F3 NUMBER OF ESTROUS CYCLES

Between subjects

	df	H	p value
Litter	70	95.515	0.016
Treatment	2	0.518	0.772
Lineage	1	0.16	0.689

F3 AVERAGE CYCLE LENGTH

Between subjects			
	df	**H**	**p value**
Litter	70	92.858	0.024
Treatment	2	0.356	0.837
Lineage	1	2.366	0.124

F3 NUMBER OF ELONGATED AND IRREGULAR CYCLES

Between subjects			
	df	**H**	**p value**
Litter	70	71.713	0.356
Treatment	2	0.637	0.727
Lineage	1	0.004	0.947